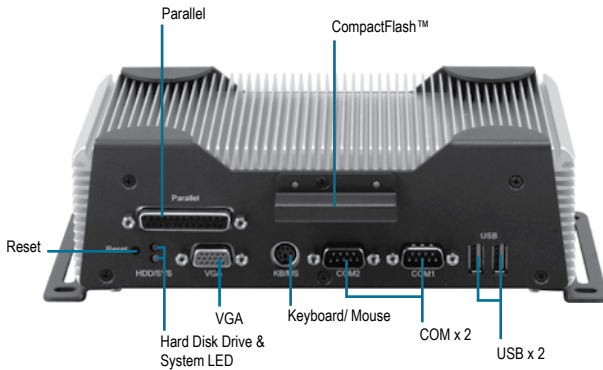
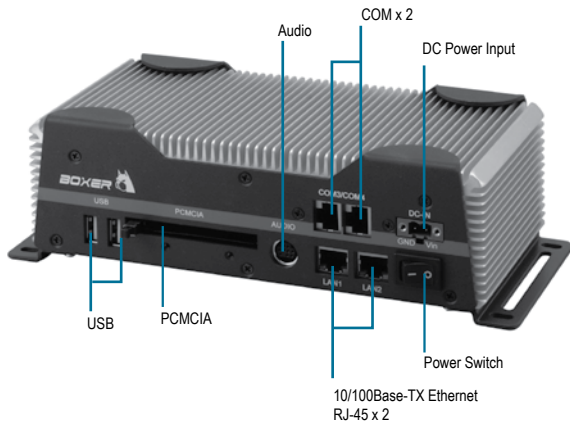


# AEC-6821

Fanless Embedded Controller With AMD Geode™ LX800 Processor

11

BOXER Series - Fanless Embedded Controller Solutions



## Features

- Fanless
- Wide Power Input Range
- COM x 4, USB2.0 x 4, Audio
- PCMCIA x 1
- Ideal For Intelligent Transportation System Application
- 10/100Base-TX Ethernet x 2
- AT Power Function



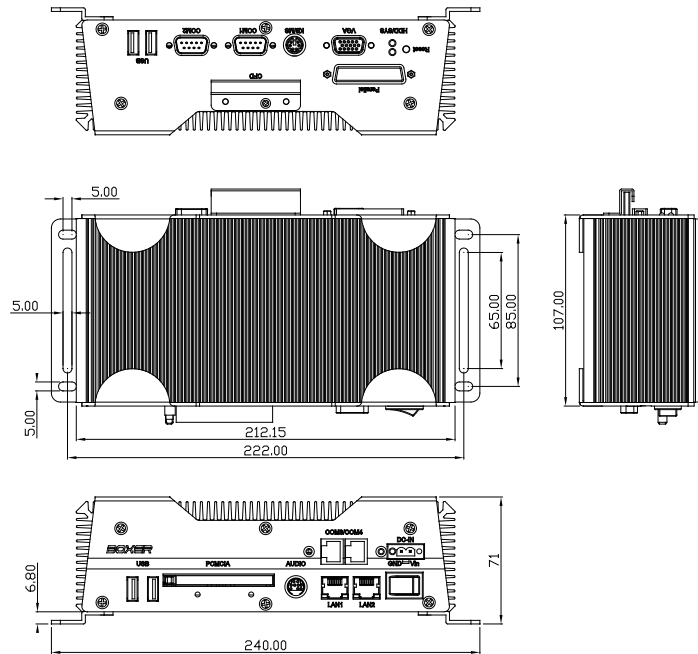
## Specifications

CPU	AMD Geode™ LX800 500 MHz	
Chipset	AMD Geode™ LX	
System Memory	DDR RAM SODIMM x 1, Max. 512 MB	
Display Interface	VGA	DB-15 x 1, shared system memory up to 254MB
	DVI	—
	Others	—
Storage Device	SSD	CompactFlash™ Slot (version B)
	HDD	2.5" Slim Hard Disk Drive Bay (SATA 1.5Gb/s; Version A; IDE: Version B)
Network	LAN	10/100Base-TX
	Wireless	—
Front I/O	USB Host	USB2.0 x 2
	LAN	RJ-45 x 2
	Serial Port	RS-232 x 2 by RJ-45
	DIO	—
	Audio	Line-in/Line-out/Mic-in x 1
	KB/MS	—
	Others	PCMCIA slot x 1, Power input x 1, Power Switch x 1
Rear I/O	USB Host	USB2.0 x 2
	LAN	—
	Serial Port	RS-232 x 1, RS-232/422/485 x 1
	DIO	—
	Audio	—
Expansion	KB/MS	PS/2 x 1
	Others	DB-15 x 1, Parallel port x 1, CompactFlash™ slot x 1
	PCIe [x1]	—
	PCI	—
	Mini Card	—
Indicator	Front	Power LED x 1, Hard Disk Drive LED x 1
	Rear	—
Power Requirement	DC-in 9-30V	
Power Consumption	AMD Geode™ LX800 500 MHz, 1.18A@DC 9V	
System Cooling	Passive Cooling	
Mounting	Wallmount	
Operating Temperature	Ambient with Airflow	
	5°F ~ 122°F (-15°C ~ 50°C) (CompactFlash™) 14°F ~ 122°F (-10°C ~ 50°C) (Hard Disk Drive)	
Storage Temperature	-4°F ~ 158°F (-20°C ~ 70°C)	
Anti-Vibration	5 g rms / 5 ~ 500Hz / operation (CompactFlash™)	
	1 g rms / 5 ~ 500Hz / operation (HDD)	
Anti-Shock	50 G peak acceleration (11 msec. duration) (CompactFlash™)	
	20 G peak acceleration (11 msec. duration) (Hard Disk Drive)	
MTBF	60,000	

# AEC-6821

## Dimension

Unit: mm



Certification	EMC	CE /FCC Class A
	Safety	—
Dimension (W x H x D)	9.5" (W) x 3.4" (H) x 4.2" (D) (240mm x 86mm x 107mm)	
Gross Weight	8.36 lb (3.8Kg)	

## Ordering Information

- **TF-AEC-6821-A1-1010**  
Embedded Controller, AMD Geode™ LX800 500 MHz, Fanless, 1 PCM, DC 9-30V, 512 MB RAM, 4 COM, 4 USB, PRT, VGA, w/SATA
- **TF-AEC-6821-B1-1010**  
Embedded Controller, AMD Geode™ LX800 500 MHz, Fanless, 1 PCM, DC 9-30V, 512 MB RAM, 4 COM, 4 USB, PRT, VGA, w/IDE, CompactFlash™ Disk

## Optional Accessories

- **1757904003**  
DC Adapter, 40W
- **1702031802**  
Power Cord (US type)
- **1702031803**  
Power Cord (European type)
- **170203180E**  
Power Cord (Japanese type)